Leada Technology Company (China)

User's Manual for A3 Motorized LCD lift mechanism

Brief introduction:

After intensive market research, we develop and design a latest lifter for LCD monitor. It features in light and artistic appearance, easy and convenient installation, efficient integrated control by single use or optional central control operator. This product can be adjusted easily to avoid the direct light into human eye in accordance with the principle of ergonomics.

Features:

1、motorized control and free running
2、free and reliable to use, good anti-shock performance
3、suitable for LCD monitors (≤15")
4、automatic opening and closing of the décor plate

Index requirement:

1、 The body size of the 15" LCD monitors such as Samsung and Philips is less than 380X315X65mm.
2、 Power: AC 220V 50Hz

End use:

This product is suitable for high grade multi-media system、surveillance system as well as high grade multi-media office, etc.

Installation:

This product is a built-in lifter for high grade office desk. The LCD monitor is fixed onto the base inside cabinet when the lifter is kept level.

Troubleshooting:

Please call us for permission of customers' self-service on LCD monitor lifter A3-1 if the newly installed or used product breaks down. Otherwise, unauthorized service will render the warranty void. Check the grounded protection to make sure of security in avoidance of electric shock accident.

A、The turner cannot work at all.

1、 Check it to make sure that the power upper inlet and terminal is power on and the voltage is in normal condition. If power fails, check the power supply circuitry.

2、 If the power inlet and terminal work normally, check to make sure that the connections of buttons are not loosened and the fuse available is on the power.

B、The turner cannot move, but weak shaking noises can be heard.

C、The lifter cannot descend at all when it is on the upper running distance. Please check if the running distance limitation switch is clamped.

Check the capacitors to see whether it is broken down and short circuited or not and its connection is loosened and broken or not. If failure occurs, shut off the power at once to avoid burning the motor because of excessive heatness.

D、The raising or lowering running can not be made, but bigger noises from the lifter can be heard.

1、Check if the transmission wheel or chain is stuck, or the wheel is broken.

2、Check if the transmission wheel engages with the transmission chain or not.

3、Check if the axle case of the transmission chain is loosened or not.

4、Check if the space between the transmission chain and wheel is too big.

Instructions:

1、 Illustration for the touch pad （As figure 1）:

1－Touch pad　　2－AC 220V power input

3－Socket for manual control input　　4、5－multimedia signal input socket

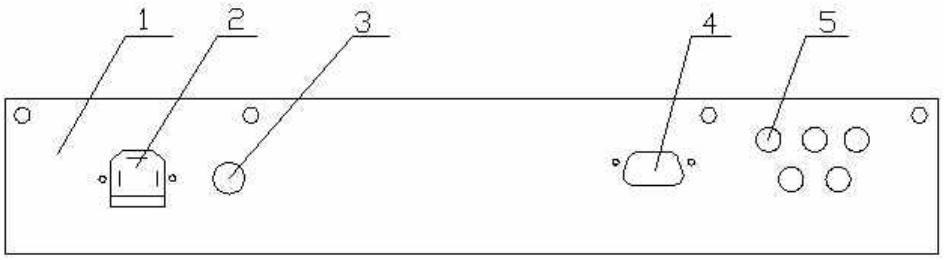


Figure 1

2、Explanation for touch pad（as figure 2）:

1、2－Button for raising or lowering LCD monitor　　3－STOP Button

4、5－Button for LCD monitor inclination adjustment

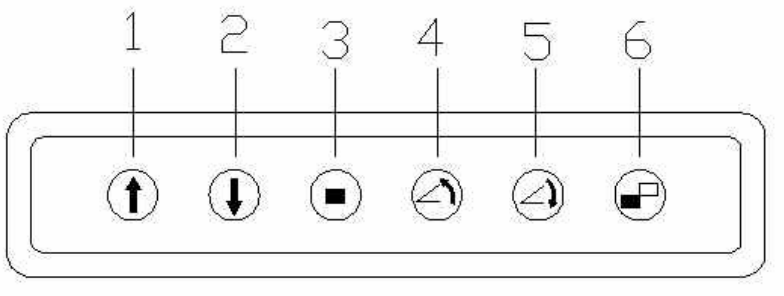


Figure 2

2、 Power on to operate this product before you connect the wires to the sockets well.

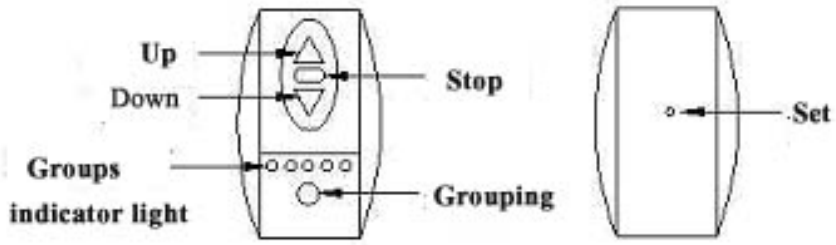
★**Methods of control** ： By standardized manual film button

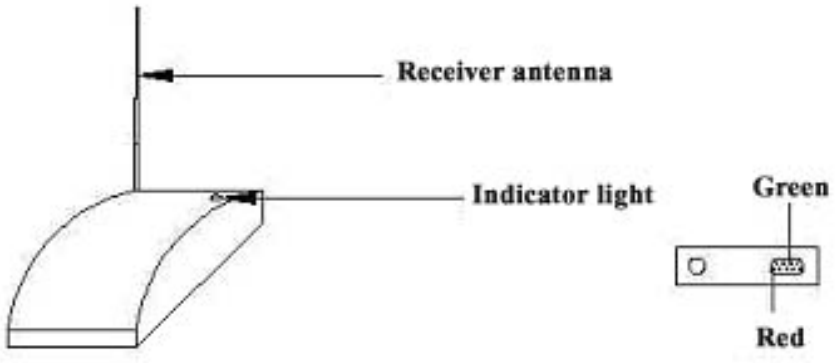
Control option：

① By single use wireless remote control, you can control a lifter individually …。

② By group wireless remote control, you can control five groups of lifters at most with remote control shaft..

③ Collective control（as figure 3）





图（3）

Through serial communication port of computer, you can make collective control on 16 groups of lifters by order.

Also, you can make control by connecting optional central control system with the help of programmed transmission control protocol.

***The control codes go as follow*:**

The data pattern of RS-232 remote controller:

Set-up of RS-232 com port：1200，N，8，1。 Namely：1200 baud ，parity none，8 data bits，one stop bit ,0.5 seconds.

Control codes	Explanation
An	Log on code：n=0~f，1~f are the designated group numbers，n=0 means complete control
Cn	Stop code：n=0~f，1~f means the designated group numbers，n=0 means complete control
Dn	Lifting code：n=0~f，1~f means the designated group numbers，n=0 means complete control
En	Lowering code：n=0~f，1~f means the designated group numbers，n=0 means complete control

★Instruction for remote controller log on operation:

①Press the manual film "▲" "■" **buttons simultaneously，release the buttons after a red indicator light flickers slowly on the back of the case.**

②Press the button in the small holes on the back of the remote transmitter with lead of a pen or a small screw driver, the indicator light is on, now, the remote controller logs on.

If by group control，divide the lifters into groups first by grouping button, the corresponding group logs on when the relative indicator light is on.

★When erasing the old control codes, please follow:

①Press the manual film"▲""■" **buttons simultaneously, release the buttons after a red indicator light flickers quickly on the back of the case.**

②Press the "▲""■" **buttons simultaneously, and the indicator light will be on, now the old control codes are erased successfully.**

Size of the lifter：(unit: mm)

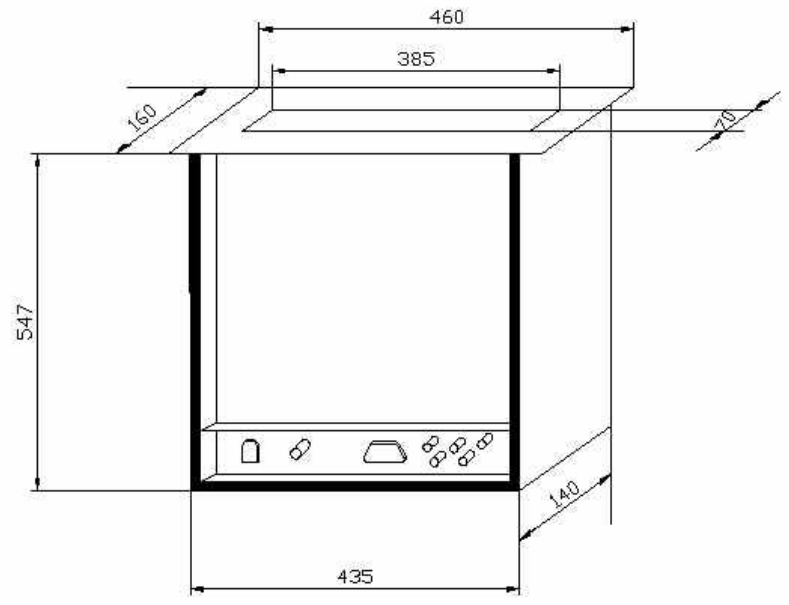


Figure 4

Accessories:

1、manual control cable and button 1 set

2、power cable 1pc

collective control setup

operating steps:

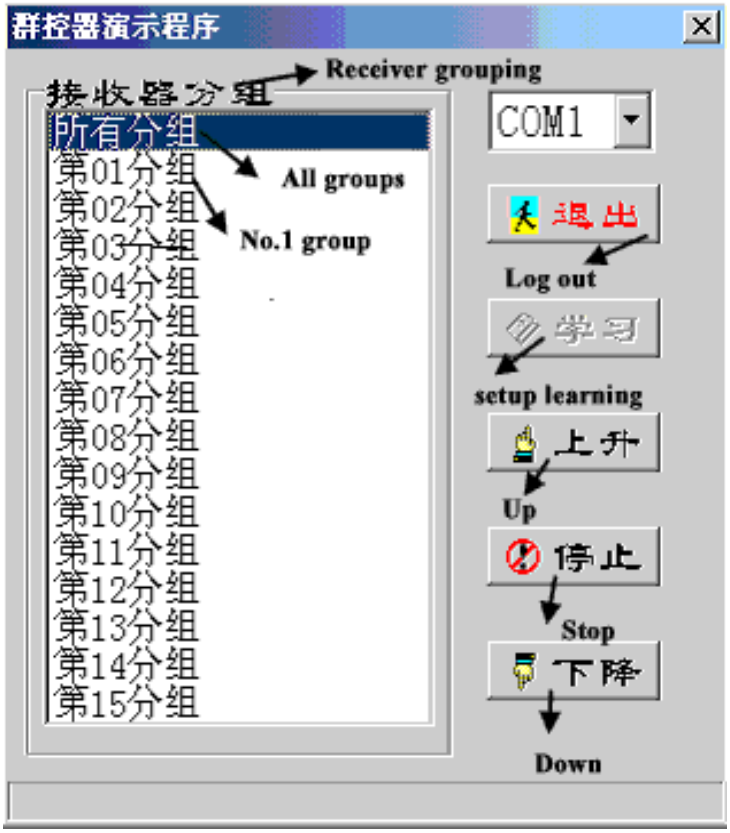
1 select COM port

2 grouping

3 Press the manual film "▲" "■" **buttons simultaneously, release the buttons after a red indicator light flickers slowly on the back of the case.**

4 Click the relative item to set up the system.

The indicator light is on when you succeed in setup.



Installing illustration（as figure 5）:

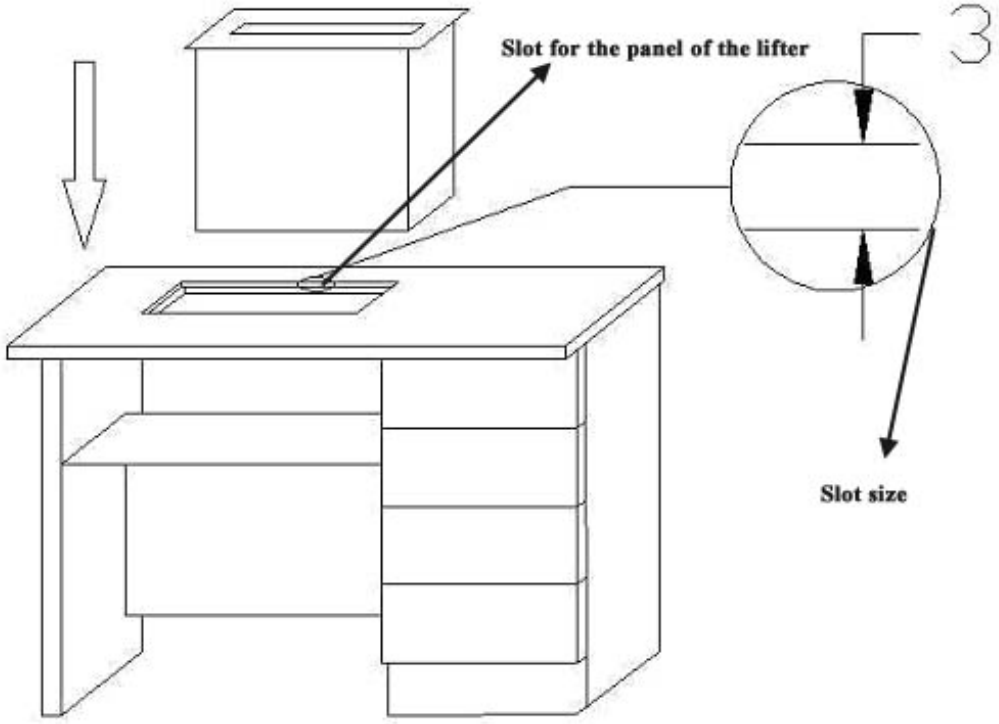


Figure 5

Installing steps:

1、Decide the installation position on the desk surface and cut an opening based on the accurately measured lifter specification.。After that, cut a slot for the panel of the lifter.

2、Make a test run before installing the lifter so as to make sure of safety. Pull out the needed cables such as VGA wire、power wire as well as manual control wire.

3、Put the lifter into the cut opening carefully, fasten the lifter well and connect the relevant cables.

For more details of our products, please feel free to visit www.leadachina.com or contact us at leadachina@hotmail.com.